

FEC Active RFID

Asset Management Solution



Asset Management Application

- Location tracking
- Inventory and theft-prevention
- 24/7 personnel safety monitoring & supervision
- Time and attendance

Conventional asset tagging using barcode or passive RFID tag couldn't prevent pilferage cases from happening as they have limitations in anti-theft function. With FEC Active RFID, pilferage becomes a thing of the past. Any attempt of pilfering or unauthorized relocating of asset would trigger alarm system. Hence the asset's location is monitored easily via the long range RFID system.

With tamper resistant function, the system will immediately detect any effort of tampering or dislocation. It also provides asset-personnel pairing function whereby if an asset encounters unusual event or requires repair, the system notifies the paired personnel.

FEC Active RFID is an advanced system solution that utilizes RFID technology for asset tagging, which will bring great benefits to large scale tagging applications that includes warehouses, museums, factories or office environments.

Applications include:

- Anti-theft feature with vibration sensor
- Asset misplace prevention
- Tamper-proof tag
- Asset-personnel pairing
- Event recording
- Improve equipment operating efficiency
- Improve company image and reputation



FEC Active RFID for Asset Management Solution

Omnidirectional Reader TS-NR320N

2.4GHz - 2.5GHz ISM band, industrial level design, full metal casing, shock proof and drop proof, 360° tracking coverage, long range coverage, tracking up to 200 tags simultaneously.



- Tracking distance : 3-80m (configurable)
- Tracking speed : 80km/h
- Interface : RS232, RS485, Wiegand 26/34/42
- Transmission power : Below 1mW
- Data transmission : Active encryption
- Input voltage : DC 12V/AC220V
- Operating temp : -25°C - +55°C
- Storage temp : -40°C - +85°C
- Operating humidity : 10% - 95%
- Dimension : 240mm x 180mm x 49mm

Intelligent Localizer TS-HL320C

2.4GHz - 2.5GHz ISM band, shock proof design and multiband technology, control system, monitoring and security feature, three level alert with sound and light alarm, user setting for alarm level.



- Tracking distance : 3-15m (configurable)
- Input voltage : DC 12V/AC220V
- Operating current : 100mA
- Operating temp : -25°C - +55°C
- Storage temp : -40°C - +85°C
- Operating humidity : 10% - 95%
- Dimension : 200mm x 120mm x 49mm

Stick-On Tag TS-NC380I

2.4GHz - 2.5GHz band, stick type design, light weight, easy to stick on object surface, tag movement and situation alert, suitable use for laptop, safety box and others valuables.



- Tracking distance : above 30m
- Transmission power : Below 1mW
- Receiver sensitivity : -90dBm
- Battery : built-in Lithium-ion battery with 2 years life
- Dimension : 41mm x 27mm x 12.5mm
- Others : tracking feature, low battery indication, light indication alert and movement alert

Localizer Reader TS-NR320D

2.4GHz - 2.5GHz ISM band, industrial level design, PVC casing, shock proof, long range coverage, multiple tags tracking up to 200 tags simultaneously.



- Tracking distance : 3-80m (configurable)
- Tracking speed : 80km/h
- Transmission power : Below 1mW
- Data transmission : Active encryption
- Input voltage : DC 12V
- Operating temp : -25°C - +55°C
- Storage temp : -40°C - +85°C
- Operating humidity : 10% - 95%
- Dimension : 225 mm x 205mm x 50mm

Tag Issuing Machine TS-NF

2.4GHz - 2.5GHz ISM band, compact design, standard USB port, plug and play support.



- Tracking distance : 5cm
- Transmission power : Below 1mW
- Interface : USB
- Input voltage : DC5V
- Operating current : 60mA
- Operating temp : 0°C - +70°C
- Operating humidity : 10% - 95%
- Dimension : 145mm x 45mm x 16mm

Intelligent Hanging Tag TS-NC380G

2.4GHz - 2.5GHz band, string type design, built-in screw lock, able to track the tag position and situation, built-in LED light alert indication, real time alert message, suitable use for clothes, computer, safety box and others.



- Tracking distance : above 30m
- Transmission power : Below 1mW
- String length : 18cm (custom length premade available)
- Battery : up to 4 years (inactive) : up to 1 year (active)
- Dimension : 41mm x 27mm x 12.5mm

Normal Localizer TS-NL320D

2.4GHz - 2.5GHz ISM band, shock proof design and multiband technology, coverage level setting, anti collision feature.



- Tracking distance : 3-15m (configurable)
- Input voltage : DC 12V/AC220V
- Operating current : 100mA
- Operating temp : -25°C - +55°C
- Storage temp : -40°C - +85°C
- Operating humidity : 10% - 95%
- Dimension : 200mm x 120mm x 49mm

Data Converters TS-DT4

- RS232 port : 4
- USB port : 2
- Operating current : 80 - 140mA
- Operating temp : -20°C - +75°C
- Dimension : 58mm x 36mm x 19mm



FEC International (M) Sdn Bhd is a RFID company that focuses in system development and application integration.

We have many successful case studies in different fields, and we are subsequently introducing new application system packages such as real time management system for human resource, inventory management system, attendance management system and manufacturing process management system.



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